

AMENDMENTS

In the Claims

Please CANCEL Claims 1, 2 and 9.

Please AMEND the following:

Sub Cl 1
3. (Amended) A method of soil remediation to reduce the concentration level of a contaminant organic compound in soil to a target concentration level, comprising, in sequence, the steps of:

- A1
- a) churning the soil with a soil mixing device;
 - b) during churning, injecting hot air into the soil to thermally strip off organic compounds, including natural and benign organic compounds, until such thermal stripping is no longer practically effective in further reducing the contaminant concentration level; and
 - c) if, after the preceding step, the concentration level of the contaminant organic compound is above the target level, introducing a chemical oxidizing agent into the soil in an amount that is effective over reasonable time to reduce the contaminant concentration level to or below the target level.

Sub Cl 1
5. (Amended) A method as in claim 3, comprising the step of preheating the soil with a ground heater system prior to introducing the chemical oxidizing agent.

A2
6. (Amended) A method as in claim 3, comprising the additional step of covering the soil with thermal insulation after introducing the chemical oxidizing agent.

7. (Amended) A method of in situ soil remediation to reduce the concentration level of a contaminant organic compound in soil to a target concentration level, comprising, in sequence, the steps of:

- a) comminuting the soil in situ with a trenching tool;